



## REMOVAL SITE ASSESSMENT CHECKLIST

Site Name: Murphy Building SA  
Address: 230 Collinsville Ave. East St. Louis, St. Clair County, IL 62201  
City/Town: East St. Louis County: St. Clair State: IL  
TDD No.: 20405.012.001.1853.00- LABOR  
20405.016.001.1853.00- ODCs  
TDD No.: S05-0001-1205-010  
SSID: C5G3  
Date of Inspection: May 30 - 31, 2012 Time of Inspection: 0930 hours

Site Status at Time of Inspection: ☐ NPL ☒ Non-NPL  
☐ RCRA ☐ TSCA ☐ Active ☐ Inactive  
Other Federal Statutory Authorities Pertaining to Site:  
☐ CWA ☐ OPA ☒ Other Air i  
SSID: C5G3

Special Notes: Asbestos fiber releases are evident.

## OSC-REQUESTED DELIVERABLES

☐ Letter Report ☒ SA Report ☐ Other  
☐ All Photos ☐ Select Photos ☐ Special Figures:

Special Requirements: SA Report Due Date Requested is July 15, 2012

OSC Signature: \_\_\_\_\_

WESTON Site Lead Signature: \_\_\_\_\_

### HEALTH AND SAFETY COMPLIANCE

All Site activities must be completed in compliance with the approved, site-specific health and safety plan (HASP). Any deviation from the HASP based on current Site conditions must be reviewed with the START Health and Safety coordinator prior to commencement of Site work.

	Yes	No	Not Applicable
Appropriate HASP amendments have been issued:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
On-site staff have reviewed and signed HASP:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current Site conditions that require additional HASP changes have been discussed with H&S coordinator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussed and witnessed by Ted Deeke

### PERSONNEL, SITE ACCESS, PRPs, AND SITE HISTORY

The following details should be documented in the Site logbook and/or obtained for the Site files:

	Obtained	Not Obtained	Not Applicable
Names and affiliation of all personnel present on Site at time of assessment (EPA, contractors, State representatives, other):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site access details (name of authorizer, date, phone number, verbal or written authorization):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Names, addresses, dates of ownership/operation for all PRPs:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Known enforcement actions, notices, or agreements in Site record:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Copies of previous Site assessment results/documentation:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Obtained by OSC Turner but not shared with START.

## GENERAL SITE OBSERVATIONS

The following Site features should be documented in the Site logbook with photos (as appropriate):

	Feature Noted in Logbook	Photo Taken and Described in Logbook	Not Present/ Not Applicable
<b>Physical Characteristics/ Conditions (as known)</b>			
Topography:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Geology (general surface soil types, fracturing, or subsurface conduits):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Elevation (asl):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Location (lat/long):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current weather conditions:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Prevailing wind:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Depth to groundwater:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drinking water supply	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Surface water bodies:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Storm drains:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drainage ditches:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Structural Characteristics</b>			
Buildings (location, size, function, condition, age):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Perimeter fence:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Security:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Roads:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Railroad lines:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ASTs:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sketch of site features:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Feature Noted in Logbook	Photo Taken and Described in Logbook	Not Present/ Not Applicable
Remnants of former industrial processes:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Unauthorized Access</b>			
Vandalism:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of trespassing:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Surrounding Area</b>			
Demographics of area:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Neighborhood characteristics/ elements:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proximity/ type of neighbors:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proximity to playgrounds/schools:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Natural Resources</b>			
Wildlife:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Endangered Species:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sensitive Ecosystems:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetlands:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Others (Specify)</b>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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## NCP-BASED REMOVAL FACTORS

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The purpose of a Site Assessment is to determine if conditions are present at the Site that may warrant a removal action pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) at 40 CFR 300.415 (b)(2). The following factors shall be considered in determining the appropriateness of a removal action pursuant to this section:

- Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants (40 CFR 300.415 (b)(2)(i));
- Actual or potential contamination of drinking water supplies or sensitive ecosystems; (40 CFR 300.415 (b)(2)(ii));
- Hazardous substance or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release (40 CFR 300.415 (b)(2)(iii));
- High levels of hazardous substance or pollutants or contaminants in soils largely at or near the surface, that may migrate (40 CFR 300.415 (b)(2)(iv));
- Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released (40 CFR 300.415 (b)(2)(v));
- Threat of fire or explosion; (40 CFR 300.415 (b)(2)(vi));
- The availability of other appropriate federal or state response mechanisms to respond to the release (40 CFR 300.415 (b)(2)(vii)); and
- Other situations or factors that may pose threats to public health or welfare of the United States or the environment. (40 CFR 300.415 (b)(2)(viii).

Where the lead agency makes the determination, based on these factors, that there is a threat to public health or welfare of the United States or the environment, the lead agency may take any appropriate removal action to abate, prevent, minimize, stabilize, mitigate, or eliminate the release or the threat of release.

In addition to the hazardous substances, pollutants, or contaminants referenced above, the NCP also authorizes response to a release of a Clean Water Act (CWA) hazardous substance, as described in CWA section 311(c)(1), as amended by OPA section 4201(a):

The President shall institute means for the removal of an oil discharge and mitigation or prevention of the threat of a discharge:

- (1) Into the navigable water of the U.S. or adjoining shorelines;
- (2) Into or on the waters of the exclusive economic zone; or
- (3) That may affect natural resources of the U.S.



In doing so the President has the authority to make any arrangements for removal or prevention, direct removal actions, and remove or destroy a vessel releasing or has the threat of releasing.

START should be aware of the application of Site Assessment results to the CWA and OPA. Depending on Site conditions, funding set aside by CWA and OPA may apply to the Site response. Refer to the NCP for further details: <http://frwebgate.access.gpo.gov/cgi-bin/get-cfr.cgi?TITLE=40&PART=300&SECTION=415&YEAR=2000&TYPE=TEXT>

The features presented on the following page, if present on Site, could be the source of a threat to human health, welfare and the environment:

	Feature Noted in Logbook	Photo Taken and Described in Logbook	Not Present/ Not Applicable
Drums containing unknown material:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Totes containing unknown material:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vats, pits, tanks, manholes containing unknown material:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cylinders with unknown contents:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Containers with know contaminants:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Oil or oil-contaminated substances/materials:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Waste lagoons:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Settling ponds:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ASTs with unknown:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
USTs with unknown:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ash:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Asbestos-Containing Materials:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Piles of unknown material:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stained soil:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sheen/ slick:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Landfill:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stressed vegetation:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transformers, capacitors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Abandoned equipment:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiation hazards:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Biological hazards:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire remnants:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## POTENTIAL MIGRATION PATHWAYS ON/FROM SITE

	Feature Noted in Logbook	Photo Taken and Described in Logbook	Not Present/ Not Applicable
Drinking Water/ Private Well:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drinking Water/ Municipal Water Supply:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Groundwater:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nearby Surface Water:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unrestricted Access:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Storm Sewer:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permitted outfall:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RCRA unit:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Air:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Soil:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lack of secondary containment:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Evidence of overland flow:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vapor intrusion:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



## POTENTIAL RECEPTORS

The receptors at risk can determine the need for a time-critical removal and affect the cleanup criteria for a given contaminant in the area. It is an important step in the Site Assessment process to identify those receptors that may be affected by contamination at the Site.

	Potential Pathway	Feature Noted in Logbook	Photo Taken and Described in Logbook	Not Present/ Not Applicable
Nearby population:	Soil, air, drinking water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nearby sensitive* population:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Downgradient population:	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Downgradient sensitive* population:		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Downstream population:	Surface water, stormwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Downstream sensitive* population:		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Downwind population:	Air	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sensitive ecosystem (wetlands or other):	Soil, air, groundwater, surface water, sediment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sensitive resources (birds, aquatic organisms, wildlife, or other):	Soil, air, groundwater, surface water, sediment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other (Specify) Trespassers/vagrants :		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

\*Examples of a sensitive population include a school, daycare center, nursing home, or medical facility.

## SAMPLING

Collecting samples is an important part of a Site Assessment. With analytical results, it is possible to document the presence of hazardous or dangerous materials on Site (bulk samples) and whether or not the materials are impacting the environment (environmental samples). Samples should be collected in a manner consistent with the EPA-approved site-specific Sampling and Analysis Plan (SAP), the START contract-specific QAPP, and the site-specific QAPP if one has been developed.

Sample collection cannot commence until the OSC has signed the site-specific SAP. Has the signature been obtained?

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following documentation should be completed during sampling activities:

	Feature Noted in Logbook	Photo Taken and Described in Logbook	Not Present/ Not Applicable
Location of samples:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample names:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sampling time and date:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rationale for biased sampling:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Screening results:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
QA samples collected:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper equipment decon performed:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Changes to the original SAP based on field conditions must be approved by the OSC and documented prior to implementation.

	Issue Noted in Logbook	Details Noted	Not Present/ Not Applicable
Additional sampling required beyond that outlined in SAP:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Changes to turn-around time required:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EPA authorization to implement changes:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## OTHER

Any other important information pertaining to the Site Assessment should be documented in the Site logbook. Use this page for notes, as needed.

Indication of extensive scrap metal removal by trespassers and vagrants.

**Indication of loose, damaged and friable asbestos.**

**Indication of asbestos fiber release.**

→ Indication of asbestos dragged outside by metal scrapping trespassers.

Indication of extensive damage to building structure from weather and lack of maintenance.

Indication of trespassers, vagrants and homeless people who can access the south side of the building ground floor.

Building has structural safety concerns on the upper floors near outside windows and south side stairwells.

Interior stairwells and stair treads are passible yet pose a safety concern.

There is a gravel parking area on the south-side of the structure.

There is a busy public street (Collinsville Ave) on the building north side.

There is the Metro-Link public transit rail line on the south-side of the gravel parking lot.

The building is missing most of the windows.

The elevators are non-operational.

Extensive piles of debris is scattered about on most floors.

There are a few (less than 10 pint, quart or gallon sized paint containers) on the main floor.

Most of the fluorescent light fixtures and bulbs have been removed or scattered on the floors.

Homeless people have placed mattresses on the floor of the basement and first floor.

The East St. Louis Fire Department provided ladder access to USEPA and START.

Building entries by ERRS is possible yet protective measures must be taken. Safety barricades should be erected as necessary.

Poor natural lighting is a problem for the first and basement floor levels.

Be cautious of slip, trips and fall hazards.

Be cautions of overhead hazards.

There is an inactive steam heat boiler in the basement.

There is evidence of fire damage on the first floor.

